

IN THE CLAIMS:

Please cancel claims 39-75.

Please amend claims 3, 5, 6-9, 11, 13, 15, 18, 22, 25, 26, 28-30, 32, 33, and 35-38.

The pending claims are as follows:

1. (original) A liquid supply system comprising: a liquid reservoir; a liquid container for supplying liquid to the reservoir; connection means connecting the reservoir to a position within the container that is immersed in the contained liquid; and means for alternately pressurising and depressurising the reservoir, the arrangement being such that when the reservoir is pressurised gas is forced into the container through the connection means and accumulates above the liquid in the container, and such that when the reservoir is depressurised accumulated gas in the container forces liquid through the connection means to the reservoir.
2. (original) A system in accordance with claim 1, arranged such that gravity urges contained liquid to flow from the container to the reservoir, the connection means comprising inhibiting means arranged to inhibit gravity feed of the reservoir with liquid from the container.
3. (currently amended) A system in accordance with ~~any preceding~~ claim 1, wherein the connection means comprises a conduit.
4. (original) A system in accordance with claim 3, wherein the conduit is arranged to extend to the reservoir from said immersed position.
5. (currently amended) A system in accordance with ~~any preceding~~ claim 1, wherein the connection means comprises valve means.

6. (currently amended) A system in accordance with ~~any preceding~~ claim 1, wherein the connection means comprises a tube having a bore dimensioned such that surface tension of the liquid inhibits flow of the liquid through the bore.
7. (currently amended) A system in accordance with ~~any preceding~~ claim 1, wherein the container is substantially rigid and contains a volume of gas above the contained liquid, whereby pressurisation of the reservoir increases the gas pressure in the container.
8. (currently amended) A system in accordance with ~~any preceding~~ claim 1, wherein the container comprises resealable valve means adapted to reseal the container when it is disconnected from the reservoir.
9. (currently amended) A system in accordance with claim 8, wherein the resealable valve means comprises a membrane, and the connection means comprises a needle adapted to pierce the membrane to connect the liquid inside the container to the reservoir.
10. (original) A system in accordance with claim 8, wherein the resealable valve means comprises a valve member and biasing means biasing the member towards a valve seat.
11. (currently amended) A system in accordance with ~~any preceding claim,~~ claim 1 and further comprising attachment means arranged to rigidly and releasably attach the container to a housing of the reservoir.
12. (original) A system in accordance with claim 11, wherein the attachment means comprises a threaded neck on the container and a correspondingly threaded socket provided on the reservoir housing.
13. (currently amended) A system in accordance with ~~any preceding claim;~~ 1 and further comprising a filter arranged inside the reservoir.

14. (original) A system in accordance with claim 13, wherein the means for pressurising and depressurising is arranged to pressurise and depressurise a volume inside the reservoir and above the filter.
15. (currently amended) A system in accordance with ~~any preceding~~ claim 1, wherein the means for pressurising and depressurising comprises a compressed gas supply, a compressed gas conduit connecting the compressed gas supply to a compressed gas inlet of the reservoir, and control means arranged to control supply of the compressed gas from the supply into the reservoir.
16. (original) A system in accordance with claim 15, wherein the control means is adapted to supply pressure pulses to the reservoir.
17. (original) A system in accordance with claim 16, wherein the pressure pulses are arranged to have relatively rapidly rising leading edges and relatively slowly falling trailing edges.
18. (currently amended) A system in accordance with ~~any one of claims 15 to 17~~ claim 15, wherein the control means comprises a controllable valve.
19. (original) A system in accordance with claim 18, wherein the control means further comprises a passive valve arranged downstream of the controllable valve, the passive valve being adapted to initially allow gas flow towards the reservoir when an inlet of the passive valve is exposed to pressurised gas from the supply as a result of the controllable valve being opened, and then to close automatically after a period of time in response to continued exposure, to prevent further flow, and to remain closed until the pressure at the inlet to the passive valve drops below a predetermined threshold, whereby pressurised gas is supplied to the reservoir via the controlled and passive valves.
20. (original) A system in accordance with claim 19, wherein the passive valve comprises a valve member biased towards a first position in which gas flow through the passive valve

is permitted, the valve member being deflectable when exposed to the pressurised gas from the supply, as a result of the initial pressurised gas flow, to a second position in which it engages a valve seat and prevents further gas flow, continued exposure to the supply maintaining the valve member against the seat, the time taken to deflect the valve member from the first to the second position determining said period of time, and hence the length of a pressure pulse transmitted by the passive valve.

21. (original) A system in accordance with claim 20, wherein the valve member comprises a ball, biased under gravity to sit in a first position in a valve chamber, the passive valve inlet being arranged to direct supplied pressurised gas up into the chamber, initially to flow past the ball, the ball being arranged so as to be lifted by the gas flow to a second position in which it is brought into sealing engagement with a valve seat and closes the passive valve.
22. (currently amended) A system in accordance with ~~any one of claims 19 to 21~~ claim 19, comprising at least one device having a compressed gas inlet connected so as to be supplied with compressed gas extracted from the compressed gas conduit at a position downstream of the controllable valve and upstream of the passive valve.
23. (original) A system in accordance with claim 22, wherein the at least one device comprises a pump.
24. (original) A system in accordance with claim 23, wherein the pump is a diaphragm pump.
25. (currently amended) A system in accordance with ~~any one of claims 22 to 24~~ claim 22, wherein the at least one device comprises an air knife or air curtain generator.
26. (currently amended) A system in accordance with ~~any preceding~~ claim 1, wherein the means for pressurising and depressurising comprises a gas exhaust conduit connecting a gas outlet of the reservoir to atmosphere, the gas exhaust conduit comprising restriction means arranged to restrict flow of gas from the reservoir to atmosphere.

27. (original) A system in accordance with claim 26, wherein the restriction means is adjustable.
28. (currently amended) A system in accordance with ~~either one of claims 26 and 27~~ claim 26, as depending from claim 15, wherein the gas outlet of the reservoir is provided by the gas inlet, and the gas exhaust conduit comprises a portion of the compressed gas conduit and a branch off the compressed gas conduit, the restriction means being located on said branch.
29. (currently amended) A system in accordance with claim 28, ~~as depending from claim 19~~, wherein said branch branches from the compressed gas conduit at a position downstream of the passive valve.
30. (currently amended) A system in accordance with ~~any preceding claim and~~ claim 1 wherein the system is adapted for an inkjet printer, the liquid container containing a quantity of ink, and the reservoir being an ink reservoir adapted to supply ink to a print head.
31. (original) A system in accordance with claim 30, wherein the liquid container is an ink refill container.
32. (currently amended) A system in accordance with claim 30 ~~or claim 31~~, arranged such that when the reservoir is pressurised to force gas into the container, pressure is applied to a surface of ink in the reservoir to force ink to the print head.
33. (currently amended) An inkjet printer comprising: a print head having at least one orifice from which a jet of ink can be ejected; and a liquid supply system ~~in accordance with any preceding claim~~, comprising a liquid reservoir; a liquid container for supplying liquid to the reservoir; connection means connecting the reservoir to a position within the container that is immersed in the contained liquid; and means for alternately pressurising

and depressurising the reservoir, the arrangement being such that when the reservoir is pressurised gas is forced into the container through the connection means and accumulates above the liquid in the container, and such that when the reservoir is depressurised accumulated gas in the container forces liquid through the connection means to the reservoir, the liquid container being an ink container, and the reservoir being an ink reservoir arranged to supply ink to the print head.

34. (original) An inkjet printer in accordance with claim 33, the liquid supply system being arranged such that when the reservoir is pressurised to force gas into the container, pressure is applied to ink in the reservoir to force ink to the print head and purge the at least one orifice.
35. (currently amended) An inkjet printer in accordance with claim 33 ~~or claim 34~~, wherein the means for pressurising and depressurising is arranged to supply pressure pulses to the reservoir, the pressure pulses being arranged to simultaneously force gas into the ink container and force ink to the print head to purge the at least one orifice.
36. (currently amended) An inkjet printer in accordance with ~~any one of claims 33 to 35, as depending from claim 23 or claim 24~~, wherein the pump comprises a pump arranged to pump ink.
37. (currently amended) An inkjet printer in accordance with ~~any one of claims 33 to 36, as depending from claim 25~~, wherein the air knife or air curtain generator is arranged to direct a curtain of gas across a surface of the print head, over the at least one orifice.
38. (currently amended) An ink container for use with an inkjet printer in accordance with ~~any one of claims 33 to 37~~, the container being sealed and containing a quantity of ink and a volume of gas, the gas being at a pressure, when the container is sealed, less than atmospheric pressure.

Claims 39-75 (cancelled)